

LMOL report for 2017 July 8 operations

Contact: Guillaume.P.Gronoff@nasa.gov

Lidar operators at the CBBT: Betsy Farris, Guillaume Gronoff, Tim Berkoff

Sonde operator: Travis Knepp

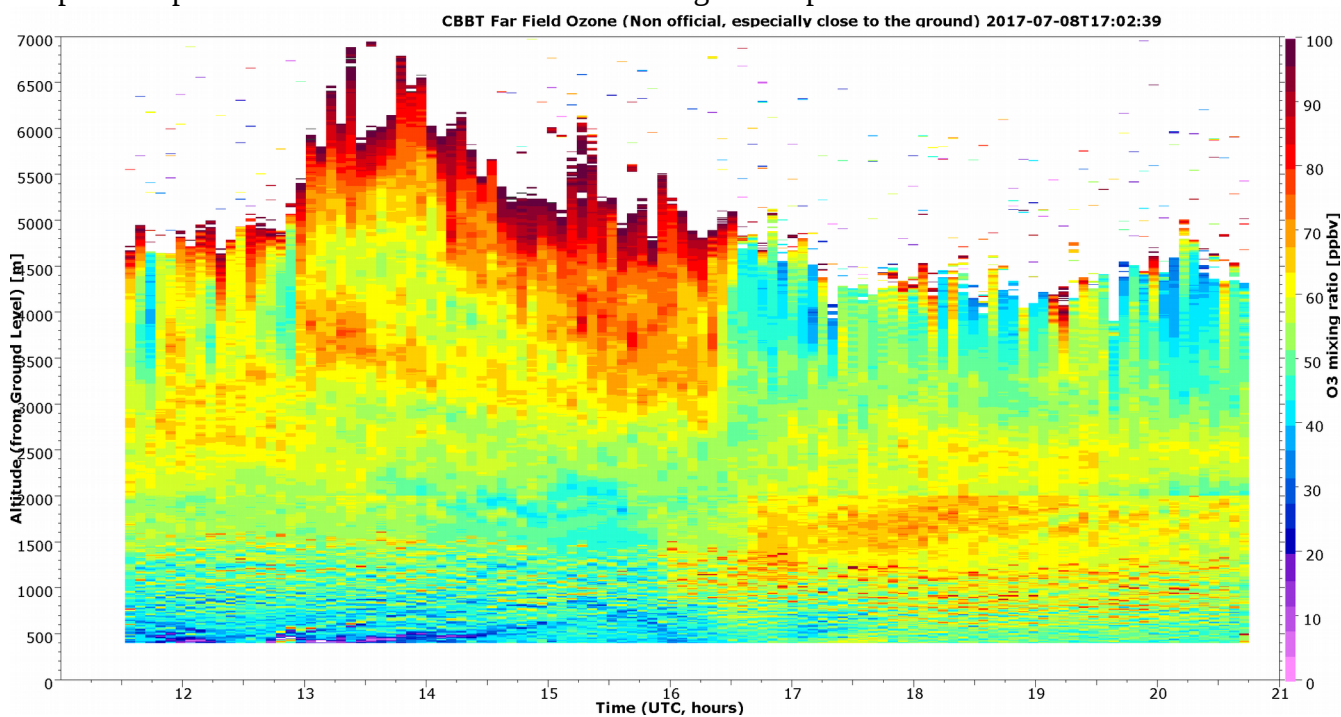
N2O operations, Ceilometer first installation: Tim Berkoff, Travis Knepp

Lidar operations

The lidar performed nominally for the entire time period: a full coverage has been done between 11:30 to ~21h UT). (i.e. 7h30-17h local time).

The first quick look is below.

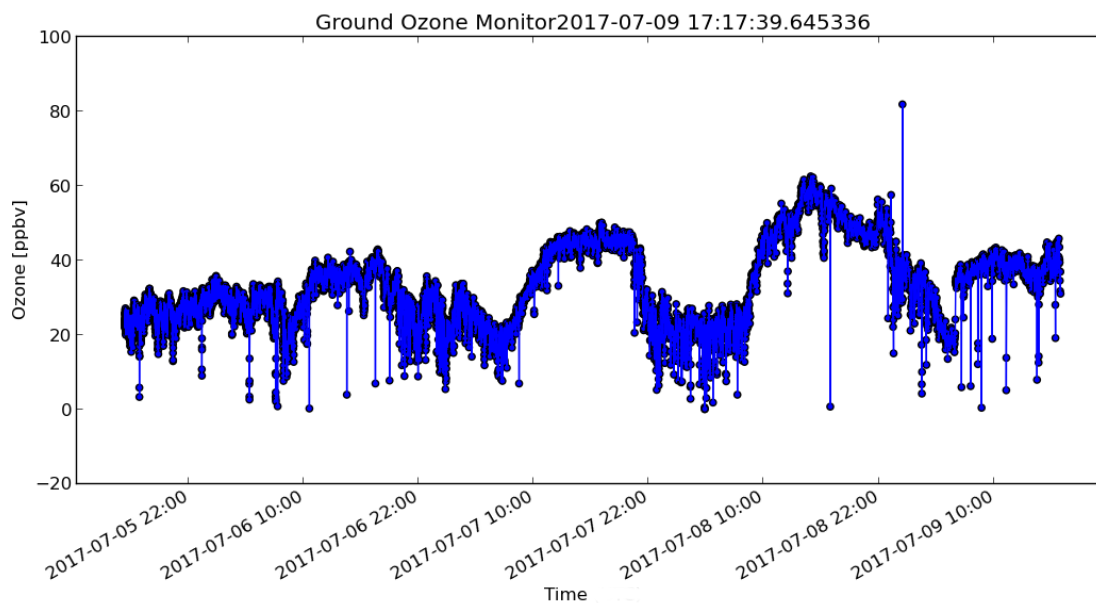
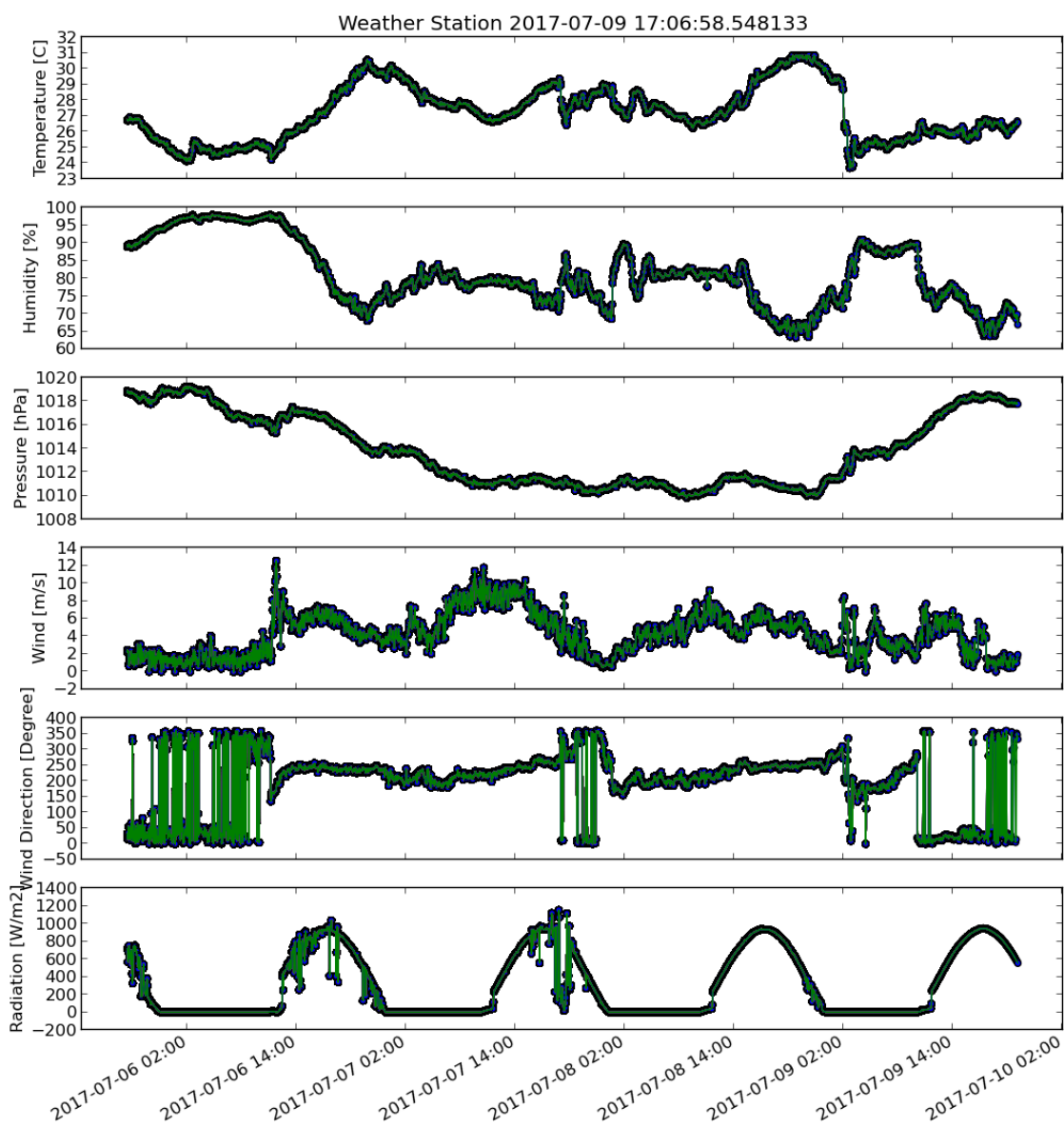
This is an UNOFFICIAL and PRELIMINARY data plot, extreme values, especially at high altitude and low altitude are not to be believed, other problems may have occurred. The sonde temperature/pressure data were not used in the making of this plot.



Weather station and O3 monitor:

The weather station performed nominally. **UNOFFICIAL data plots below**

The ground ozone monitor time are in local time.



Other:

- Sonde launches at 11h and 15h local time.
- The N₂O monitor has been installed in the trailer. Values reported between 2 and 4 PPBV.
- The ceilometer has been installed near the trailer.
- An alarm system has been tested to be sure that the data are being acquired when the automatic shutter is opened again.